

ABSTRACT OF THE DISCLOSURE

A conductive ink composition comprising a carboxylic acid- or anhydride-functional aromatic vinyl polymer, a conductive particulate material, and/or a conductive flake material (any material with an aspect ratio of at least about 5:1) may be printed in a thickness of five microns or less to provide sufficient conductivity for RFID tag antenna and other printed conductive and semi-conductive structures. Printing the ink by flexographic or gravure printing offers advantages over other printing methods previously used.